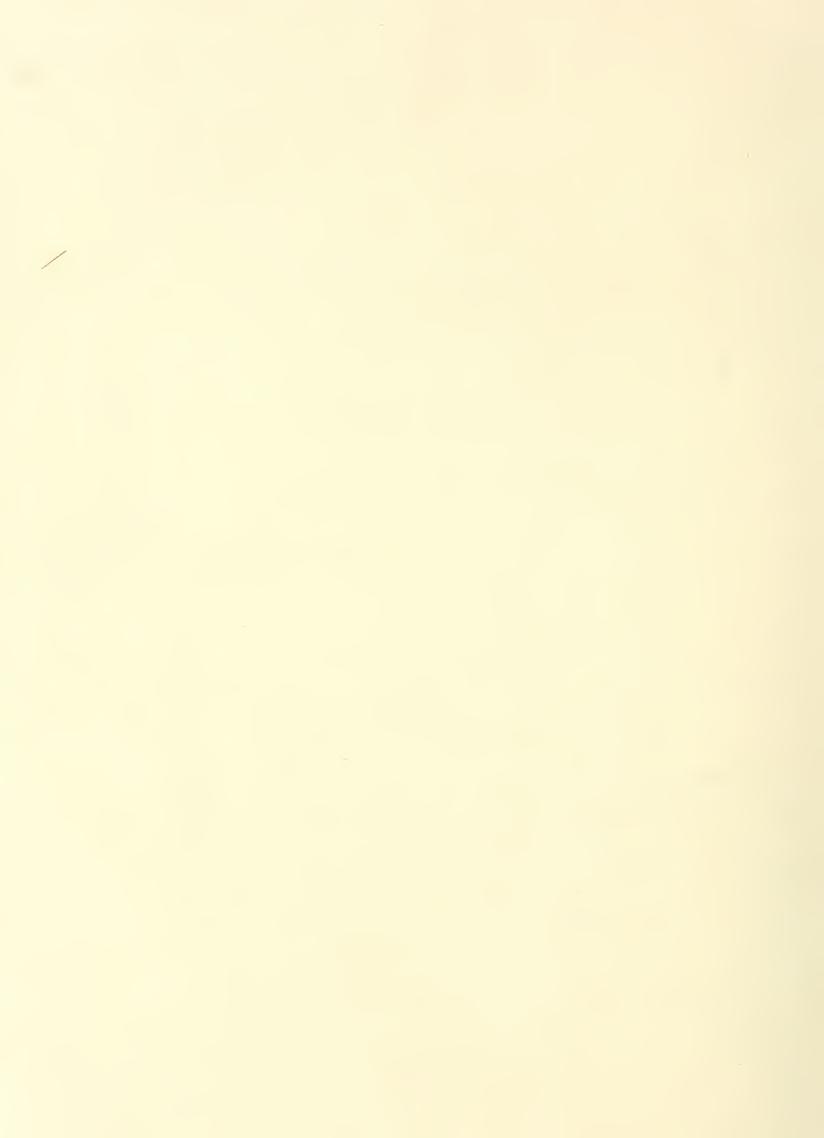
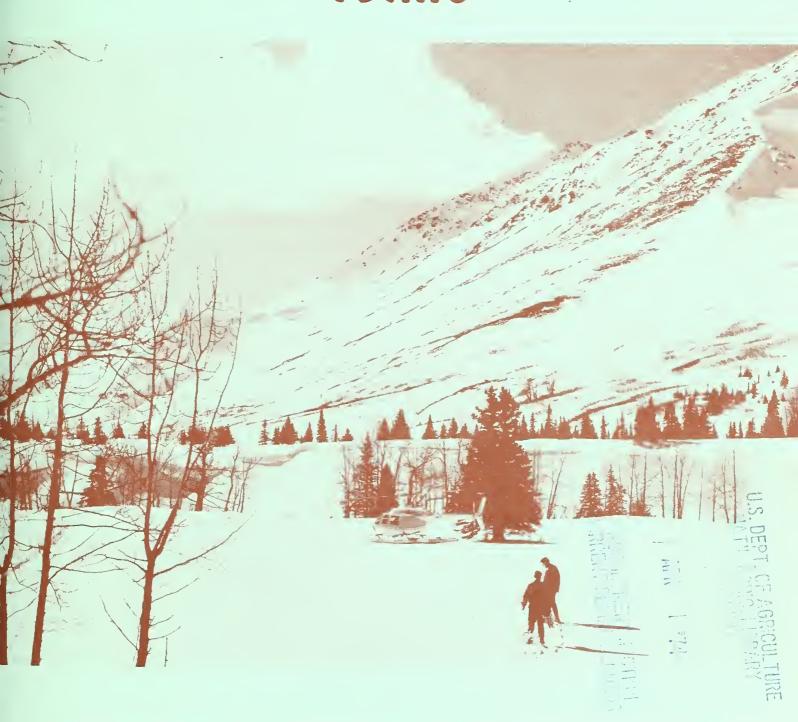
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Do not assume content reflects current scientific knowledge, policies, or practices.



## WATER SUPPLY OUTLOOK FOR IDAHO



### U. S. DEPARTMENT of AGRICULTURE \* SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

MAR. 1, 1974 

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

### TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 841 38
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

JSDA-SCS-PORTLAND, OREG. 1973

# WATER SUPPLY OUTLOOK FOR IDAHO

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

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In Cooperation with

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SOIL CONSERVATION SERVICE
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ROOM 345, 304 N. 8th. ST. BOISE, IDAHO 83702



### WATER SUPPLY OUTLOOK for IDAHO







### GENERAL SUMMARY FOR MARCH 1, 1974

Snowfall during February continued above normal throughout Northern and Southwestern Idaho north of the Snake River and near to slightly below average over the remainder of the state. Record snow-water accumulation has been recorded on several high elevation snow courses with practically all sites exceeding an April 1 normal. Snow-water equivalent values range from a low of 91% of average on the Little Lost drainage to a high of 185% of normal on the Palouse River watershed.

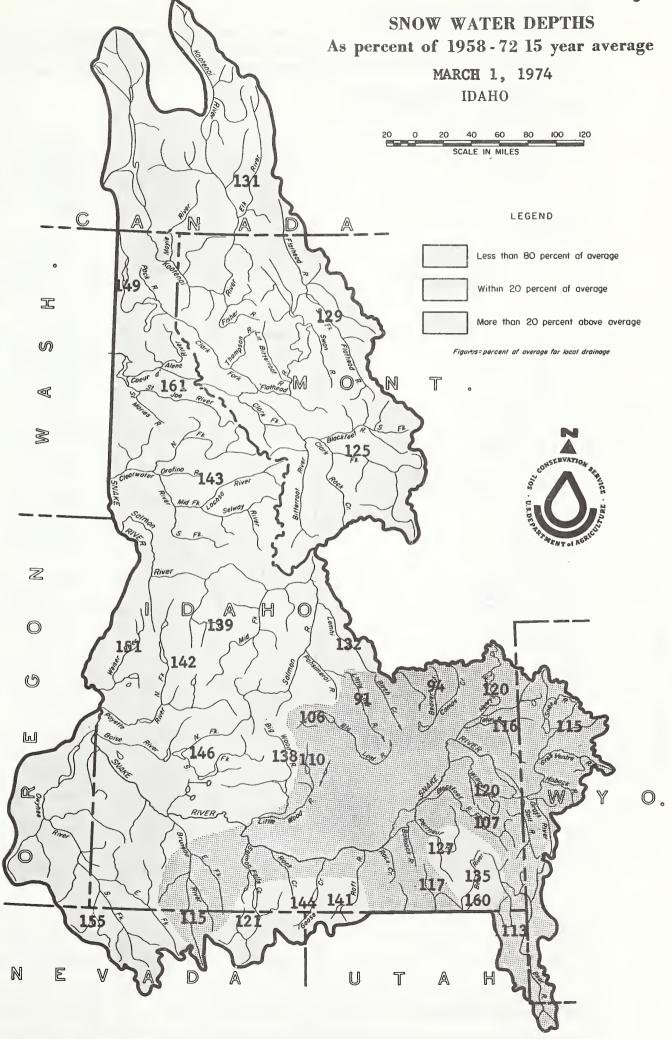
Valley precipitation during February ranged from slightly below average on the Snake River Plain and Salmon, Payette, Boise and Owyhee drainages to well above normal in the Pend Oreille-Spokane watersheds. Soil moisture remains good to excellent.

Reservoir storage is good to excellent and it appears some reservoirs should be lowered to make space for anticipated high volume runoff.

The outlook for water supply during the 1974 irrigation season is good to excellent throughout the state. Streamflow forecasts range from 110% of average for the Teton River near St. Anthony and the Big Lost at Howell Ranch for the April-September period to 166% of normal for the Weiser River above Crane Creek, March through September.

Major flooding occurred in several areas during January and the potential for high, rapid runoff still exists on most drainages in Northern and Southwestern Idaho.

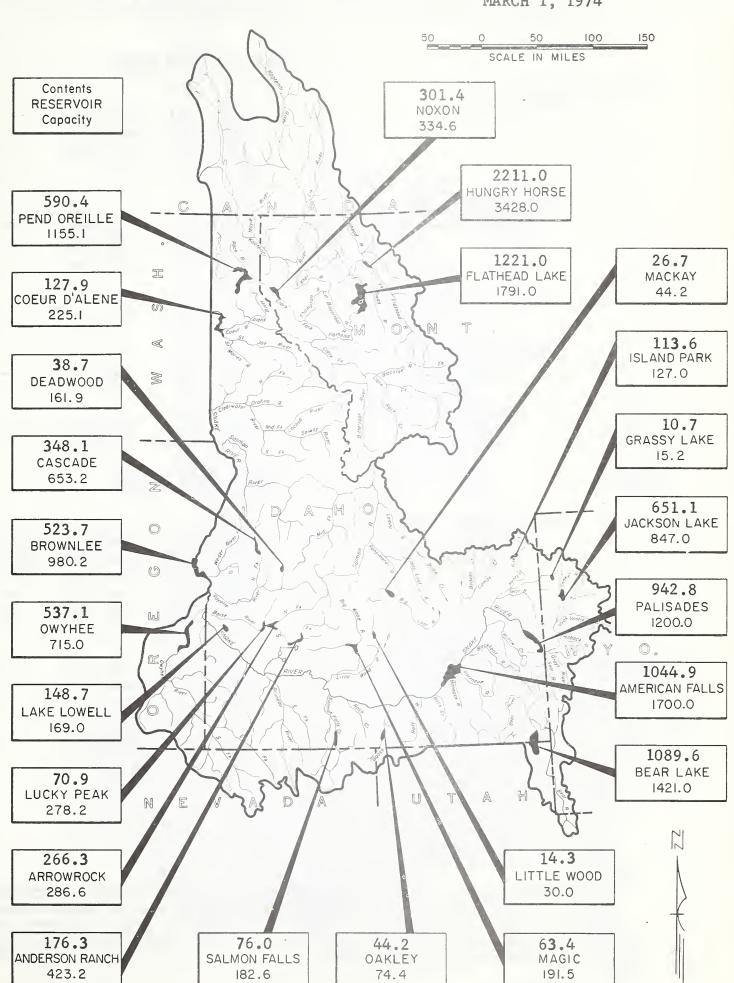
RIVER BASIN WATERSHED	NO. OF COURSES		SNOW WATER SPERCENT OF :
	AVERAGED	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA RIVER BASIN	-		
Kootenai River Pend Oreille River Clark Fork River Flathead River Priest River Spokane River	27 77 57 20 3 10	175 190 195 180 200 275	131 126 125 129 149 161
LOWER SNAKE RIVER BASIN			
Palouse River Clearwater River Salmon River Lemhi River MIDDLE SNAKE RIVER BASIN - Northside	5 19 21 6	1347 225 199 207	185 143 139 132
Little Lost River Big Lost River Fish Creek Little Wood River Big Wood River Boise River Payette River Weiser River Mann Creek	5 6 2 4 8-9 13 15 2	135 157 115 134 188 200 184 178	91 106 109 110 138 146 142 151
	3	150	
MIDDLE SNAKE RIVER BASIN - Southside Raft River Goose-Trapper Creeks Salmon Falls Creek Bruneau River Owyhee River UPPER SNAKE RIVER BASIN	7 3 9-11 5 5	142 156 126 119 160	141 144 121 115 155
Upper Snake - Wyoming Camas Beaver Creeks Henrys Fork River Teton River Willow-Sand Creeks Blackfoot River Portneuf River	15-18 2 10-11 2-11 6 3 4	153 104 148 147 123 114 132	115 94 120 116 120 107 127
GREAT BASIN			
Bear River Montpelier Creek Mink Creek Cub River Malad River	23 4-6 5-7 2 4-6	143 140 148 180 109	113 107 135 160 117



RESERVOIR	USABLE CAPACITY	THIS YEAR		
	1	IIII TEAR	LAST YEAR	1958-72 AVERAC
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2211.0	2062.0	2329.0
Flathead	1791.0	1221.0	1010.0	1009.0
Pend Oreille	1155.1	590.4	393.2	457.0
Noxon	334.6	301.4	320.6	300.6
<u>Spokane</u>				
Coeur d'Alene	225.1	127.9	53.3	162.3
SNAKE BASIN		-		
Snake				
Jackson Lake	847.0	651.1	636.1	533.3
Palisades	1200.0	942.8	932.9	809.0
American Falls	1125.0	1044.9	1090.8	789.1
Island Park	127.0	113.6	100.1	113.5
Grassy Lake	15.2	10.7	10.5	10.3
Brownlee	980.2	523.7	475.1	451.1
Goose-Trapper Creeks				.5242
Oakley	74.4	44.2	47.2	19.3
Salmon Falls Creek		, , , ,		
Salmon Falls	182.6	76.0	99.5	34.5
Big Lost		, , ,		
Mackay	44.2	26.7	37.3	31.9
Big Wood			0,10	
Magic	191.5	63.4	124.6	103.5
Little Wood				
Little Wood	30.0	14.3	19.9	15.5
Fish Creek	30.0	14.5	1,00	13.3
Carey Valley	14.4	5.7	4.1	
	14.4	3.7	4.1	
Boise	/22.2	176 0	200.2	227 6
Anderson Ranch	423.2	176.3	290.2	237.6
Arrowrock	286.6	266.3	277.9	247.9
Lucky Peak	278.2	70.9	177.7	89.2
Lake Lowell (Deer Flat)	169.0	148.7	117.6	132.0
<u>Dwyhee</u>				
Owyhee	715.0	537.1	600.0	452.7
Payette				
Cascade	653.2	348.1	351.0	325.9
Deadwood	161.9	38.7	93.7	78.8
Weiser				
Mann Creek	11.1	7.7	5.5	
GREAT BASIN				
Bear	20			
Bear Lake	1421.0	1089.6	1089.6	958.3
*Period of Record.				

### RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)
MARCH 1, 1974

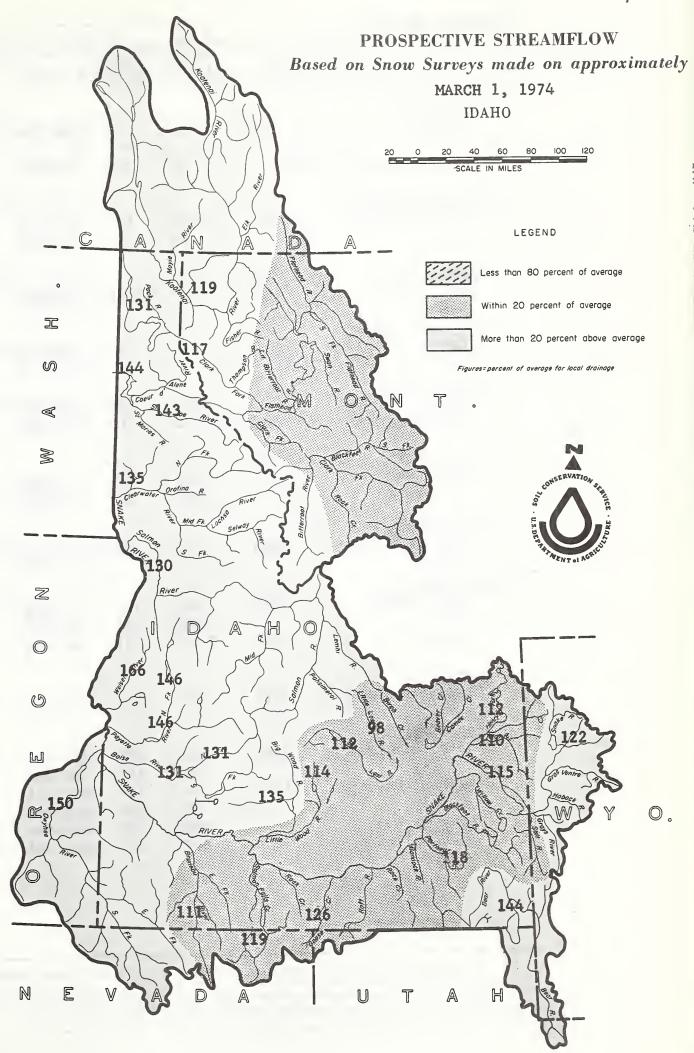


STREAMFLOW FORECASTS		THIS YEAR		PAST I	RECORD
	FORECAST C		FORECAST	THOUSAND ACRE FEE	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Avera

UPPER	COLUMBIA	BASIN

KOOTENAI RIVER						
Leonia	(at)	10800	119	Apr-Sep		90
		9600	121	Apr-Jul	-	79.
		7700	120	Apr-Jun		64:
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	16800	117	Apr-Sep		143:
		15500	118	Apr-Jul		130
		13200	117	Apr-Jun		113:
Priest River						
Priest River $1/$	(nr)	1150	131	Apr-Jul		81
SPOKANE RIVER						
Post Falls <u>2</u> /	(at)	4300	144	Apr-Sep		29{
St. Joe River						
Calder	(at)	1920	143	Apr-Sep		134
		1840	144	Apr-Jul		127
		SNAKE RI	VER BA	SIN		
SNAKE RIVER - MAIN STEM						
Moran 3/	(nr)	1050	122	Apr-Sep	655	85
Palisades Inflow 3/	()	4400	118	Apr-Sep	2840	37:
Heise 4/	(nr)	4500	115	Apr-Sep	3004	391
Blackfoot 5/	(nr)	4780	114	Apr-Jul	300.	419
Weiser	(at)	7300	112	Apr-Sep		652
	(,	,				
Henrys Fork						
Ashton 6/	(nr)	750	112	Apr-Sep		67
Rexburg 7/	(nr)	1510	111	Apr-Sep		136
Teton River						
St. Anthony	(nr)	485	, 110	Apr-Sep		44
						1

<sup>(</sup>c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Priest Lake.
2/Observed flow corrected for storage in Coeur d'Alene Lake 3/Corrected for storage in Jackson Lake.
4/Corrected for storage in Jackson Lake and Palisades. 5/Corrected for storage in Jackson Lake, Palisades,
Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/Corrected for storage
in Henry's Lake and Island Park Reservoir. 7/Corrected for storage in Henry's Lake, Island Park, Grassy Lake
and diversions between Ashton and Rexburg.



Lake Owyhee

net inflow 6/

8

498

647

150

150

Apr-Sep

Mar-Jul

270

341

332

431

<sup>(</sup>c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Mackay Reservoir 2/Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/Corrected for storage in Arrow-rock, Anderson Ranch and Lucky Peak. 4/Corrected for storage in Anderson Ranch Reservoir. 5/Corrected for storage in Wild Horse Reservoir. 6/From U.S.B.R. records of inflow. +1958-1972 period.

STREAMFLOW FORECASTS			THIS YEAR			PAST RECORD		
		FORE	CAST C	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST PO	INT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +		
Payette River								
Horseshoe Bend $\underline{1}/$	(nr)	2700	146	Apr-Sep		1850		
Banks <u>2</u> /	(nr)	1460	147	Apr-Jul		993		
North Fork								
Cascade 3/	(at)	820	146	Apr-Sep		562		
Banks 3/	(nr)	1065	146	Apr-Sep	en en	730		
Weiser River								
Weiser ab. Crane								
		850	166	Wan Can		511		
Creek <u>4</u> /		830	100	Mar-Sep		DII		
Salmon River								
Whitebird	(at)	9050	130	Apr-Sep		6959		
MULTEDIIG	(at)	9030	130	whr - 2eh		0939		
Clearwater River								
Spalding	(at)	11500	<b>13</b> 5	Apr-Sep		8514		
		GREAT BA	STN					
EAR RIVER								
Harer	(at)	390	144	Apr-Sep		271		
	•							
Montpelier Creek								
Montpelier	(nr)	13.	2 106	Apr-Sep		12.		
Cub River								
Preston	(nr)	67	134	Apr-Sep		50		

VALLEY PRECIPITATION  $\underline{1}/$  Division Averages and Departures

In Inches

	Wi	nter	Fall - Winter		
DRAINAGE	Feb.	1974	Nov. 73 - Feb. 74		
DIVISIONS	Observed	Departure <u>2</u> /	Observed	Departure	
Kootenai, Canada & U.S.	2.17	+0.15	18.55	+6.28	
Flathead	2.31	+0.51	13.19	+3.66	
Clark Fork	0.44	-0.31	5.72	+1.52	
Pend Oreille-Spokane	4.23	+1.15	28.18	+12.17	
Upper Snake	1.94	+0.09	10.77	+2.18	
Snake River Plain	0.57	-0.19	4.83	+0.69	
Salmon-Payette-Boise	1.64	-0.19	15.25	+4.97	
Clearwater	3.15	+0.66	17.17	+4.36	
Owyhee-Malheur	0.48	-0.40	5.53	+0.76	

 $<sup>\</sup>underline{1}/$  Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

<sup>2/</sup> Departure from 15-year (1958-72) drainage division average.

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	nt (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6

### UPPER COLUMBIA RIVER BASIN

PEND OREILLE - PRIEST RIVER	<u>R</u>			-		
Benton Meadow Benton Spring #Mosquito Ridge (A) Schweitzer Bowl Schweitzer Ridge	2344 4900 5110 4500 6100	2/25 2/25 3/7 3/1 3/1	18 80 149 130 166	4.0 28.9 54.4 49.5 61.5	2.7 12.6 24.2 21.2 32.0	6.1 17.4 34.7* 27.8* 39.9*
HAYDEN LAKE						
Chilco Ridge Corner Creek Sage Creek Saddle Ulrich Creek	3650 3200 4100 2800	2/27 2/27 2/27 2/27	40 25 90 <b>13</b>	10.9 6.9 30.0 2.5	1.2 3.0 7.1 T	
SPOKANE RIVER						
Above Burke Above Burke (SP) Copper Ridge #Forty-nine Meadows Fourth of July Summit Granite Peak Kellogg Peak (A) Lookout #Lost Lake Lower Sands Creek Medicine Ridge Mosquito Ridge (A) Roland Summit (A) Sherwin Sherwin (SP) Sunset(A)	4100 4100 4800 5000 3100 6000 5560 5250 6000 3400 6150 5110 5200 3200 3200 5600		91  125 132 48 174 125 130 265+ 84 176 149 166 60  rker Cov	64.4 41.4 43.7  26.8 61.6 54.4 54.1 20.0 19.4	8.6 8.7 11.1 14.6 1.9 26.3 18.5 17.8 30.7 7.4 25.9 24.2 22.4 5.2 5.3	25.7 28.9* 7.3* 37.7*  32.7 51.3* 17.5 38.5* 34.7* 31.3* 13.8* 
PALOUSE RIVER						
Crumarine Creek East Twin Howard Creek Moscow Mountain West Twin	3340 4050 3450 4400 4250	2/28 2/28 2/28 2/28 2/28	44 54 <b>32</b> 8 <b>7</b> 65	14.1 16.7 10.1 27.9 20.1	0.0	7.8* 11.1 4.5* 15.3

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6

				<del>`</del>			
CLEARWATER RIVER							
Buck Meadows		5600	2/26	94	32.8	17.6	25.7*
Cayuse Airstrip		3700	3/1	55	16.7	5.4	11.7
Coolwater Mountain	(SP)	6200	3/1		30.7	13.7	
Cottonwood Butte		5140	3/3	48	13.5	6.8	
Crater Meadows		6100	3/1	<b>13</b> 6	46.8	26.4	40.9*
Crooked Fork		3600	2/28	56	16.9	6.3	12.9*
Elk Butte		5550	3/8	175	61.2	18.8	35.0*
Fish Lake Airstrip		5000	3/7	157	50.8	22.8	37.3
Forty-nine Meadows		5000	3/8	132	47.2	14.6	28.9*
Goat Lake		6600	3/7	161	58.6	29.2	43.8*
#Granite Peak		6000	3/8	174	64.4	26.3	37.7*
Hemlock Butte		5500	3/1	179	61.8	31.2	42.8*
#Hoodoo Basin	Mont.	6000	3/1	169	63.4	31.5	46.1
#Hoodoo Creek	Mont.	5900	3/1	163	58.6	29.4	43.2
Lolo Pass	110116	5250	2/28	107	36.3	17.3	28.5
Lost Lake		6000	3/8	265+	J0.J	30.7	51.3*
Lower Snowhaven		5250	3/3	61	19.6	9.4	J1.J
#Medicine Ridge		6150	3/8	176	61.6	25.9	38.5*
#Nez Perce Pass	Mont.	6575	2/22	67	19.3	10.8	14.3
Orogrande Mountain		7800	3/1	O /	45.0	18.9	14.0
_		<b>317</b> 0	3/1	52	17.0		10.3
Pierce Ranger Stati			2/27	50		4.3	
Powell Ranger Stati	OII	3410	-		16.4	6.0	12.6*
Savage Pass		6160	2/27	81	27.2	16.5	20.5
Savage Pass (New)		6160	2/27	84	26.9	16.9	0/ E#
Shanghai Summit		4600	3/1	115	37.5	13.3	24.5*
Upper Snowhaven		5600	3/3	55	20.5	10.0	
SALMON RIVER							
Big Creek Summit		6600	3/4	129	47.2	23.1	31.4
#Boulder Creek		5500	2/26	96	<b>33.</b> 6	16.8	21.8*
Brundage Mountain		<b>7</b> 560	2/27	139	56.2	32.5	42.2*
#Deadwood Summit		7000	3/9	172	64.5	33.8	40.3*
#Galena Summit		8795	2/26	86	30.7	13.7	20.6
#Gibbons Pass	Mont.	7100	2/26	77	28.5	15.8	20.5
#Lemhi Pass	Mont.	7480	2/27	28	7.5	4.9	7.9
#Lemhi Ridge	Mont.	8100	2/27	39	10.1	5.8	8.9
Mill Creek Summit		8870	3/4	93	31.6	12.6	
Moose Creek		6200	2/28	61	19.8		
Morgan Creek		7580	3/4	60	17.0	7.7	12.6*
Redfish Lake		6600	2/26	<b>3</b> 6	9.8		8.7*
#Rock Flat Summit		5200	2/27	70	21.6	11.4	16.2
#Secesh Summit		6600	2/27	130	50.6	26.0	
Twin Peaks (A)		10300	3/4	96	32.6	10.8	
Vienna Mine		8900	2/25	115	44.0	21.2	32.0*
Williams Creek Summ	it	7800	2/28	45	13.1	6.6	11.0
OLUCK DUMM		7000	2/20	47	10.1	0.0	11.0

WONS			THIS YEAR	Y	PAST R	ECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)		
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6	
Lemhi River							
Above Gilmore	8200	3/4	46	11.1	4.4	8.6*	
Aspen-Hall Pass (A)	8110	3/4	51	11.9	6.1	7.7*	
Copes Camp	7500	3/4	35	8.5	4.9	6.6*	
Hall Creek	7560	3/4	29	6.4	3.4	4.8*	
Meadow Lake (A)	9100	3/4	75	22.9	9.9	17.1*	
Schwartz Lake (A)	8500	3/4	54	12.6	6.7	11.0*	

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	nt (inches)
, NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6

### MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER						
Fairview Guard Station Lost Garfield Moonshine Sawmill Canyon Wet Creek Summit	6750 6600 7450 6900 7600	2/26 2/26 2/26 2/26 2/25	21 18 34 25 41	4.8 4.0 8.4 4.8 11.2	3.0 2.9 6.2 5.4 7.1	4.5 3.8 9.8 7.4 10.9
BIG LOST RIVER						
Bear Canyon Copper Basin Iron Bog Leadbelt Lost-Wood Divide Stickney Mill White Knob	7920 7650 7650 6800 7900 7500 7700	2/25 2/25 2/28 2/28 2/25 2/25 3/4	61 29 52 30 85 33 47	19.6 10.0 12.7 6.6 28.7 9.0 10.4	11.4 4.6 9.6 5.2  5.0 7.8	15.8 8.7 13.8* 9.0*  8.4 8.4*
FISH CREEK						
Iron Mine Creek Telfer Ranch	6 <b>37</b> 0 6000	3/1 3/1	40 <b>3</b> 4	10.5 8.4	9.2 7.2	9.7 7.7
LITTLE WOOD RIVER						
#Bear Canyon Garfield Ranger Station Muldoon Swede Peak	7920 6554 6300 7650	2/25 2/28 2/28 2/28	61 39 25 62	19.6 10.4 5.6 18.3	11.4 8.8 7.2 12.8	15.8 10.0 7.8 15.4
BIG WOOD RIVER						
Camas Creeks Divide #Couch Summit Dollarhide Summit Galena Galena Summit Graham Ranch #Lost Wood Divide Mascot Mine Mount Baldy Soldier Ranger Station	5720 6950 8620 7300 8795 6200 7900 7900 9000 6100	3/9 2/27 2/25 2/26 2/26 2/25 2/25 3/1 2/27	45 66 80 73 86 53 85 50 91 47	16.1 22.6 28.4 24.5 30.7 14.5 28.7 15.4 26.8 14.3	9.9 12.8 16.9 11.6 13.7 9.6  8.9 13.2 9.6	16.5* 17.2 20.6 12.4 12.1 18.0 11.2*
#Vienna Mine	8900	2/25	115	44.0	21.2	32.0*

PAST RECORD

Water Content (inches)

THIS YEAR

SNOW

### MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER							
Boy Scout Camp Clear Creek Mdws. Howell Canyon One Mile Summit Sheep Hollow Sublett Summit Springs	Utah Utah	7600 9050 8000 <b>733</b> 0 6200 6000 6400	2/28 2/26 2/28 2/26 2/28 2/26 2/26	49 63 95 25 23 54 50	17.2 19.9 36.9 5.8 7.2 17.2 16.8	13.5 20.7 18.5 7.5 7.1 8.1 9.8	13.2* 18.2* 22.2 6.8* 5.6* 9.9 9.7*
GOOSE CREEK							
Badger Gulch Bostetter Rgr. Sta. Vi Pont		6660 7500 7670	2/26 2/26 2/26	51 73 50	17.0 25.2 16.0	8.4 15.9 13.0	10.1 17.5 12.7*
SALMON FALLS CREEK							
#Bear Creek Cedar Creek Deadline #Fox Creek Goat Creek #Hummingbird Spgs. Magic Mountain #Pole Creek R. S. Red Point Shoshone Basin Wilson Creek	Nev. Nev. Nev. Nev.	7800 7000 6900 6800 8800 8945 6700 8330 7940 5740 7500	2/23 2/24 2/23 2/23 2/23 2/24 2/23 2/24 2/23 2/24 2/23	63 45 79 41 57 70 70 64 39 32 46	17.8 11.9 25.8 11.0 16.7 21.0 22.8 19.7 10.7 8.9 11.3	16.8 7.4 18.9 8.8 15.2 18.0 14.9 16.6 7.3 5.6 11.8	17.3 8.8 19.9 9.3 16.1* 19.6* 16.2 16.8
BRUNEAU RIVER  Bear Creek Fox Creek Hummingbird Springs Pole Creek R. S. #Seventy-six Creek	Nev. Nev. Nev. Nev.	7800 6800 8945 8330 7100	2/23 2/23 2/23 2/23 2/23	63 41 70 64 50	17.8 11.0 21.0 19.7 14.8	16.8 8.8 18.0 16.6 10.4	17.3 9.3 19.6* 16.8 10.0*
OWYHEE RIVER							
Antelope Ridge #Bear Creek #Fox Creek Mud Flat #Seventy-six Creek Silver City South Mountain	Nev. Nev.	5900 7800 6800 5500 7100 6400 6340	2/28 2/23 2/23 2/28 2/23 2/25 3/4	34 63 41 30 50 51	10.1 17.8 11.0 8.4 14.8 16.6 16.2	4.4 16.8 8.8 4.8 10.4 8.6 7.4	6.1* 17.3 9.3 5.4 10.0* 13.8 10.7

### UPPER SNAKE RIVER BASIN

CAMAS-BEAVER CREEKS							
Camp Creek		6800	2/28	30	8.0	7.7	9.0
Kilgore		6200	2/27	34	9.9	9.5	10.1
HENRYS FORK RIVER							
Big Springs		6500	2/26	69	22.3	14.7	18.6
Black Canyon		7850 7850	2/26	103	39.8	26.0	29.4*
Black Canyon (New) Black Moose		7850 8125	2/26 2/26	106 117	39.4 46.0	26.6 <b>3</b> 0.4	36.2*
Grassy Lake	Wyo.	7230	2/26	106	33.4	25.9	30.1
Island Park		6315	2/27	59	17.7	12.0	14.7
Latham Springs		7650	2/26	103	37.6	27.2	27.9*
Lucky Dog		6900	2/26	82	28.4	19.6	21.6*
Sawtelle Mountain		8715	2/27	90	33.3	22.9	30.4*
Targhee Pass Valley View		7000 6500	2/27 2/27	42 44	12.3 14.1	8.0 8.0	13.5* 15.4
White Elephant		7700	2/27	80	28.6	17.2	13.4
TETON RIVER							
Darby Canyon	Wyo.	8250	3/10	87	28.3	17.0	
Freds Mountain	Wyo.	8000	2/25	76	24.6	19.6	600 546
Garns Mountain		8 <b>3</b> 00	3/10	117	42.4	28.9	
Indian Meadows	Wyo.	8200	3/10	128	45.6	27.5	
Jackpine Creek McRenold Reservoir	Wyo.	7500 6800	3/10 3/10	82 72	27.2 23.4	18.2 15.6	3-
Miles Creek	Wyo.	7500	3/10	49	15.2	11.8	
Phillips Bench	Wyo.	8200	3/1	88	31.1	20.6	₩ ■
Pine Creek Pass	•	6750	2/25	62	19.0	13.4	15.4*
State Line		6400	2/25	49	13.5		12.6
Teton Pass W.S.	Wyo.	8400	3/1	77	29.4	20.1	<b>=</b>
WILLOW CREEK							
Aspen Grove		6600	3/9	47	14.5	11.3	10.3*
Birch Creek		6800	3/9	50	16.9	9.2	14.3*
Blue Ridge		6775	3/9	60	20.9	0.0	
Bone Brockman Station		6200 6500	2/26 <b>3</b> /9	31 35	8.5 11.2	8.0	7.5*
Hell Creek		7100	3/9 <b>3</b> /9	51	18.1		
Mud Creek		7150	3/9	47	15.8		
Ozone		5800	2/26	8	2.3		
Sheep Mountain		6510	2/26	46	14.1	12.5	12.6*
Tex Creek		6550	2/27	31	8.4	8.2	8.5*

vation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Conte	ent (inches)
vation	of Survey	(Inches)	(Inches)	Water Content (inc	
		<u> </u>	(	Last Year	Average 6
50	2/26	20	4.4	5.2	2.4*
25	2/28 2/28	33 42	9.1 13.8	8.0 13.4	7.9 14.2*
00	2/28	46	13.7	10.8	12.0
80	2/27	40	12.3	10.6	10.6
00	2/27	47	14.9	10.9	12.1*
0.0	2/27	54	18.9	13.6	13.8
50	2/27	49	17.2	12.8	13.5
	50 50 25 00 80 00 00 50	50 2/28 25 2/28 00 2/28 80 2/27 00 2/27 00 2/27	50 2/28 33 25 2/28 42 00 2/28 46 80 2/27 40 00 2/27 47 00 2/27 54	50 2/28 33 9.1 25 2/28 42 13.8 00 2/28 46 13.7 80 2/27 40 12.3 00 2/27 47 14.9 00 2/27 54 18.9	50 2/28 33 9.1 8.0 25 2/28 42 13.8 13.4 00 2/28 46 13.7 10.8 80 2/27 40 12.3 10.6 00 2/27 47 14.9 10.9 00 2/27 54 18.9 13.6

DRAINAGE BASIN and/or SNOW COURSE Date			W	. (: -1)
		Water Content	water Conte	nt (inches)
NAME Elevation of Survey	(Inches)	(Inches)	Last Year	Average 6

	GR	EAT BASI	N			
BEAR RIVER						
Emigrant Summit Emigration Canyon	<b>73</b> 50 6500	2/26 2/26	77 36	26.8 10.4	17.8 8.6	21.4* 9.7*
Montpelier Creek						
Giveout Little Beaver Lower Home Canyon Montpelier Creek Upper Home Canyon Whiskey Flat	6840 6970 7500 6570 8500 6985	2/28 2/28 2/26 2/28 2/28 2/28	40 46 43 33 64 28	12.0 14.4 11.9 9.3 21.1 8.6	8.2 11.8 9.8 5.5 13.8 6.1	11.0* 14.0*  7.5*  8.9*
Mink Creek						
Christensen Ranch Dry Basin #Emigrant Summit Horseshoe Basin Liberty Spring Strawberry Creek Strawberry Mink Divide	5600 7900 7350 8000 8600 5800 6800	2/26 2/28 2/26 2/28 2/28 2/26 2/26	42 86 77 71 110 44 71	12.4 30.8 26.8 25.0 42.0 14.1 24.4		7.7  21.4*  31.7* 9.6 18.5
Cub River						
Cub River R. S. #Franklin Basin Willow Flat MALAD RIVER	5400 8000 6100	2/28 2/28 2/28	45 76 60	14.3 27.4 19.7	7.3  11.6	8.0  13.2
Cliff Canyon	7200	2/25	32	9.1	7.2	
Daniels Creek Dry Creek Flat Lower Elkhorn Oxford Mountain	6400 6350 6850 6800	2/25 2/27 2/27 2/27	28 33 41 34	7.8 10.9 13.6 10.0	6.5 11.4 12.0 0.6	6.6 12.4* 8.9
Upper Elkhorn	7100	2/27	52	17.0	16.2	16.0*

SOIL MOISTURE		PROFILE	(Inches)		SOIL MOISTUI	RE (Inches)	
STATION NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit Lookout	3100 5250	48 48	11.6 11.0	3/4 2/26	10.2 8.6	9.2 7.6	10.2
SALMON RIVER							
Mill Creek Summit	8870	48	9.4	3/4	4.0	4.2	4.2
Lemhi River							
Above Gilmore	8200	60	5.4	3/4	4.2	3.3	3.9
LITTLE LOST RIVER							
Fairview Guard Station Wet Creek Summit	5850 81 <b>7</b> 5	48 48	10.1	2/26 2/25	8.5 13.5	7.2 12.9	8.2 13.6
RAFT RIVER		101					
Howell Canyon Sheep Hollow Sublett	8000 6200 6000	48 36 36	11.5 7.5 7.0	2/28 2/28 2/26	9.1 6.8 6.4	8.6 6.6 4.2	7.6 6.5 6.1
GOOSE CREEK							
Badger Gulch	6660	36	7.0	2/26	5.1	6.7	6.5
SALMON FALLS CREEK							
Deadline Patrick Ranch Pole Creek R. S.	6900 5720 8330	36 36 48	7.4 7.7 9.7	2/24 2/23 2/23	6.8 5.1 8.1	7.0 5.7 7.7	7.0 8.0
BRUNEAU RIVER							
Bear Creek	7800	72	16.9	2/23	11.1	10.4	11.0
HENRYS FORK RIVER							
Island Park Valley View	6315 6500	48 48	9.9	2/27 2/27	10.6	8.4 Frozen	8.3 7.7
PORTNEUF RIVER					-		
Lower Pebble Pebble Creek	5800 6550	36 48	7.6	2/27 2/27	8.2	7.6 5.9	7.6 5.6

OIL MOISTURE		PROFILE	(Inches)		SOIL MOISTU		
STATION	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
BEAR RIVER							
Emigrant Summit	7350	36	9.2	2/26	7.4	5.4	
Strawberry Creek	5800	48	12.7	2/26	11.0	7.7	11.
Montpelier Creek							
	7025	26	0 4	2/20	7.6		
Giveout Pass Jenson Ranch	7025 6580	<b>3</b> 6 48	9.4	2/28 2/28	7.6		Froze
		1					
						÷	
							1
		1					



# Agencies and Organizations Cooperating in Idaho Snow Surveys

### GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

### States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

### Federal:

- U. S. Army Engineers
- U. S. Department of Agriculture
  Forest Service
  Agriculture Research Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of the Interior
  Bonneville Power Administration
  Bureau of Reclamation
  Fish and Wildlife Service
  Water Resources Division, Geological Survey
  Indian Service
  National Park Service
  Bureau of Land Management

### PUBLIC UTILITIES

The Montana Power Company Washington Water Power Company Idaho Power Company Utah Power and Light Company

### ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

### PRIVATE CORPORATIONS

Amalgamated Sugar Company

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